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Magd Abdel Wahab
Editor

Proceedings of the 7th International Conference on Fracture Fatigue and Wear

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Editor

Magd Abdel Wahab
Faculty of Engineering and Architecture
Ghent University
Ghent, Belgium

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Preface

This volume contains the Proceedings of the 7th International Conference on Fracture Fatigue and Wear FFW 2018. Fracture Fatigue and Wear 2018 is the 7th FFW conference and is held in the city of Ghent, Belgium, during the period 9–10 July 2018. Previous conferences were celebrated in Jinan (China, 2010), Kitakyushu (Japan, 2013), Kitakyushu (Japan, 2014), Gent (Belgium, 2015), Kitakyushu (Japan, 2016) and Porto (Portugal, 2017).

The overall objective of the conference is to bring together international scientists and engineers in academia and industry in fields related to Fracture Mechanics, Fatigue of Materials, Tribology and Wear of Materials. The conference covers industrial engineering applications of the above topics including theoretical and analytical methods, numerical simulations and experimental techniques. One of the aims of the conference is to promote cooperation between international scientists and engineers from a large number of disciplines, who are involved in research related to Fracture, Fatigue and Wear. The presentations of FFW 2018 are divided into three main sessions, namely (1) Fracture, (2) Fatigue and (3) Wear.

The organising committee is grateful to the keynote speaker, Professor Dr. Eng. Jesús Toribio, Department of Materials Engineering, University of Salamanca (USAL), Spain, for his interesting keynote speech entitled ‘Fatigue, Fracture and Wear in Cold-Drawn Pearlitic Steel Wires: Remembering M.C. Escher and J.S. Bach’.

Special thanks go to members of the Scientific Committee of FFW 2018 for reviewing the articles published in this volume and for judging their scientific merits. Based on the comments of reviewers and the scientific merits of the submitted manuscripts, the articles were accepted for publication in the conference proceedings and for presentation at the conference venue. The accepted papers are of a very high scientific quality and contribute to the advancement of knowledge in all research topics relevant to FFW conference. Out of 100 submitted full-length papers, 74 papers are published in the proceedings.

Finally, the organising committee would like to thank all authors, who have contributed to this volume and to those who have presented their research work at the conference venue in Ghent.

Magd Abdel Wahab
Chairman of FFW 2018

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